AMENDMENTS TO THE CLAIMS:

The listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF THE CLAIMS

- (Currently amended) A lighting apparatus for emitting white light comprising:
 - a semiconductor light source emitting radiation having a peak emission in the <u>UV</u> range of from about 250 nm to 450 nm; and
 - a phosphor composition radiationally coupled to the light source, the phosphor composition comprising (Sr,Ba,Ca)₂SiO₄:Eu.
- 2. (Original) The lighting apparatus of claim 1, wherein the light source is an LED.
- 3. (Original) The lighting apparatus of claim 2, wherein the LED comprises a nitride compound semiconductor represented by the formula $In_iGa_jAl_kN$, where $0 \le i$; $0 \le j$, $0 \le K$, and i + j + k = 1.
- 4. (Original) The lighting apparatus of claim 1, wherein the light source is an organic emissive structure.
- 5. (Original) The lighting apparatus of claim 1, wherein the phosphor composition is coated on the surface of the light source.
- 6. (Original) The lighting apparatus of claim 1, further comprising an encapsulant surrounding the light source and the phosphor composition.
- 7. (Original) The lighting apparatus of claim 1, wherein the phosphor composition is dispersed in the encapsulant.

- 8. (Original) The lighting apparatus of claim 1, further comprising a reflector cup.
- 9. (Original) The lighting apparatus of claim 1, wherein said phosphor composition comprises (Sr_{0.95}Ba_{0.025}Eu_{0.025})₂SiO₄.
- 10. (Original) The lighting apparatus of claim 1, wherein said phosphor composition comprises (Sr_{0.58}Ca_{0.36}Eu_{0.06})₂SiO₄.
- 11. (Original) The lighting apparatus of claim 10, wherein said apparatus has a color point with a ccx value of 0.5286 and a ccy value of 0.4604.
- 12. (Original) The lighting apparatus of claim 1, wherein said phosphor composition further comprises one or more additional phosphor.
- 13. (Currently amended) The lighting apparatus of claim 12, wherein said one or more additional phosphors are selected from the group consisting of (Ba,Sr,Ca)₅(PO₄)₃(Cl,F,Br,OH):Eu²⁺,Mn²⁺,Sb³⁺; (Ba,Sr,Ca)MgAl₁₀O₁₇:Eu²⁺,Mn²⁺; (Ba,Sr,Ca)BPO₅:Eu²⁺,Mn²⁺;

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2SrO*0.84P<sub>2</sub>O<sub>5</sub>*0.16B<sub>2</sub>O<sub>3</sub>:Eu<sup>2+</sup>;
(Sr,Ca)_{10}(PO_4)_6*nB_2O_3:Eu^{2+};
Sr_2Si_3O_{8^2}SrCl_2:Eu^{2^+}; Ba_3MgSi_2O_8:Eu^{2^+}; Sr_4Al_{14}O_{25}:Eu^{2^+}; BaAl_8O_{13}:Eu^{2^+};
                                                                                       2SrO-0.84P<sub>2</sub>O<sub>5-0.16</sub>B<sub>2</sub>O<sub>3</sub>:Eu<sup>2+</sup>;
                                           BaAl<sub>8</sub>O<sub>13</sub>:Eu<sup>2+</sup>;
Sr<sub>4</sub>Al<sub>14</sub>O<sub>25</sub>:Eu<sup>2+</sup>;
(Ba,Sr,Ca)MgAl_{10}O_{17}:Eu^{2+},Mn^{2+}; (Ba,Sr,Ca)_{5}(P0_{4})_{3}(Cl,F,OH):Eu^{2+},Mn^{2+},Sb^{3+};
(Ba,Sr,Ca)MgAl<sub>40</sub>O<sub>47</sub>:Eu<sup>2+</sup>,Mn<sup>2+</sup>;
                                                                                                    (Ba,Sr,Ca)Al<sub>2</sub>O<sub>4</sub>:Eu<sup>2+</sup>;
(Y,Gd,Lu,Sc,La)BO<sub>3</sub>:Ce<sup>3+</sup>,Tb<sup>3+</sup>;
                                                                                         Ca<sub>8</sub>Mq(SiO<sub>4</sub>)<sub>4</sub>Cl<sub>2</sub>:Eu<sup>2+</sup>,Mn<sup>2+</sup>;
(Ba,Sr,Ca)_2(Mg,Zn)Si_2O_7:Eu^{2+};
                                                                                      (Sr,Ca,Ba)(Al,Ga,In)_2S_4:Eu^{2+};
(Y,Gd,Tb,La,Sm,Pr,Lu)<sub>3</sub>(Al,Ga)<sub>5</sub>O<sub>12</sub>:Ce<sup>3+</sup>;
                                                                                           (Ca,Sr)_8(Mg,Zn)(SiO_4)_4Cl_2:
                            Na_2Gd_2B_2O_7:Ce^{3+},Tb^{3+}:
Eu<sup>2+</sup>,Mn<sup>2+</sup>;
                                                                              (Ba,Sr)<sub>2</sub>(Ca,Mg,Zn)B<sub>2</sub>O<sub>6</sub>:K,Ce,Tb;
(Sr,Ca,Ba,Mg,Zn)_2P_2O_7:Eu^{2+},Mn^{2+};
                                                                           (Ca,Sr,Ba,Mg)_{10}(PO_4)_6(F,Cl,Br,OH):
                                                                                        (Gd,Y,Lu,La)<sub>2</sub>O<sub>2</sub>S:Eu<sup>3+</sup>,Bi<sup>3+</sup>;
                              (Gd,Y,Lu,La)<sub>2</sub>O<sub>3</sub>:Eu<sup>3+</sup>,Bi<sup>3+</sup>;
Eu<sup>2+</sup>.Mn<sup>2+</sup>:
(Gd,Y,Lu,La)VO_4:Eu^{3+},Bi^{3+}; (Ca,Sr)S:Eu^{2+}; SrY_2S_4:Eu^{2+}; CaLa_2S_4:Ce^{3+};
(Ca,Sr)S:Eu^{2+}; 3.5MgO*0.5MgF<sub>2</sub>*GeO<sub>2</sub>:Mn<sup>4+</sup>; (Ba,Sr,Ca)MgP<sub>2</sub>O<sub>7</sub>:Eu<sup>2+</sup>,Mn<sup>2+</sup>;
(Y,Lu)_2WO_6:Eu^3+, Mo^{6+}; (Ba,Sr,Ca)_xSi_vN_z:Eu^{2+}.
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14. (Currently amended) A lighting apparatus for emitting white light comprising:

a UV light source emitting radiation having a peak emission in the UV range at from about 250 to 450 nm; and

a phosphor composition radiationally coupled to the light source, the phosphor composition comprising $(Sr,Ba,Ca)_2SiO_4$:Eu, one or more garnet phosphors having the general formula $(Y,Gd,La,Lu,T,Pr,Sm)_3(Al,Ga,In)_5O_{12}$:Ce and a magnesium fluorogermanate phosphor having the formula Mg_4FGeO_6 : Mn^{4+} .

- 15. (Original) The lighting apparatus of claim 14, wherein the light source is a semiconductor LED.
- 16. (Original) The lighting apparatus of claim 14, wherein the LED comprises a nitride compound semiconductor represented by the formula $In_iGa_jAl_kN$, where $0 \le i$; $0 \le j$, $0 \le K$, and i + j + k = 1.
- 17. (Original) he lighting apparatus of claim 14, wherein said light source is an organic emissive structure.
- 18. (Original) The lighting apparatus of claim 14, wherein the phosphor composition is coated on the surface of the light source.
- 19. (Original) The lighting apparatus of claim 14, further comprising an encapsulant surrounding the light source and the phosphor composition.
- 20. (Original) The lighting apparatus of claim 14, wherein the phosphor composition is dispersed in the encapsulant.
- 21. (Original) The lighting apparatus of claim 14, further comprising a reflector cup.
- 22. (previously presented) The lighting apparatus of claim 14, wherein said (Sr,Ba,Ca)₂SiO₄:Eu phosphor comprises (Sr_{0.95}Ba_{0.025}Eu_{0.025})₂SiO₄.

- 23. (Original) The lighting apparatus of claim 14, wherein said phosphor composition comprises (Sr_{0.58}Ca_{0.36}Eu_{0.06})₂SiO₄.
- 24. (Original) The lighting apparatus of claim 23, wherein said apparatus has a color point with a ccx value of 0.5286 and a ccy value of 0.4604.
- 25. (Original) The lighting apparatus of claim 14, wherein said phosphor composition further comprises one or more additional phosphors.
- 26. (Currently amended) The lighting apparatus of claim 25, wherein said one or more additional phosphors are selected from the group consisting of (Ba,Sr,Ca)₅(PO₄)₃(Cl,F,Br,OH):Eu²⁺,Mn²⁺,Sb³⁺;

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(Ba,Sr,Ca)MgAI<sub>10</sub>O<sub>17</sub>:Eu<sup>2+</sup>,Mn<sup>2+</sup>;
                                                                                    (Ba.Sr.Ca)BPO<sub>5</sub>:Eu<sup>2+</sup>.Mn<sup>2+</sup>;
                                                               2SrO*0.84P<sub>2</sub>O<sub>5</sub>*0.16B<sub>2</sub>O<sub>3</sub>:Eu<sup>2+</sup>;
(Sr,Ca)_{10}(PO_4)_6*nB_2O_3:Eu^{2+};
Sr_2Si_3O_{8^2}SrCl_2:Eu^{2^+}; Ba_3MgSi_2O_8:Eu^{2^+}; Sr_4Al_{14}O_{25}:Eu^{2^+}; BaAl_8O_{13}:Eu^{2^+};
                                           BaAl<sub>8</sub>O<sub>43</sub>:Eu<sup>2+</sup>;
                                                                                    2SrO-0.84P<sub>2</sub>O<sub>5-0.16</sub>B<sub>2</sub>O<sub>3</sub>:Eu<sup>2+</sup>;
Sr4A144O25:Eu2+:
(Ba,Sr,Ca)MgAI_{10}O_{17}:Eu^{2+},Mn^{2+}; (Ba,Sr,Ca)_{5}(P0_{4})_{3}(CI,F,OH):Eu^{2+},Mn^{2+},Sb^{3+};
(Ba,Sr,Ca)MgAl<sub>40</sub>O<sub>47</sub>:Eu<sup>2+</sup>-Mn<sup>2+</sup>;
                                                                                                 (Ba,Sr,Ca)Al<sub>2</sub>O<sub>4</sub>:Eu<sup>2+</sup>;
(Y,Gd,Lu,Sc,La)BO<sub>3</sub>:Ce<sup>3+</sup>,Tb<sup>3+</sup>;
                                                                                  GasMg(SiO<sub>4</sub>)<sub>4</sub>Gl<sub>2</sub>:Eu<sup>2+</sup>,Mn<sup>2+</sup>;
                                                                                    (Sr,Ca,Ba)(Al,Ga,In)<sub>2</sub>S<sub>4</sub>:Eu<sup>2+</sup>;
(Ba,Sr,Ca)_2(Mg,Zn)Si_2O_7:Eu^{2+};
(Y,Gd,Tb,La,Sm,Pr,Lu)<sub>3</sub>(Al,Ga)<sub>5</sub>O<sub>12</sub>:Ce<sup>3+</sup>;
                                                                                        (Ca,Sr)_8(Mg,Zn)(SiO_4)_4Cl_2:
                          Na_2Gd_2B_2O_7:Ce^{3+},Tb^{3+}; (Ba_1Sr)_2(Ca_1Mg_1Zn_1)B_2O_6:K_1Ce_1Tb_3;
Eu<sup>2+</sup>.Mn<sup>2+</sup>:
(Sr,Ca,Ba,Mg,Zn)_2P_2O_7:Eu^{2+},Mn^{2+}; (Ca,Sr,Ba,Mg)_{10}(PO_4)_6(F,Cl,Br,OH):
                             (Gd,Y,Lu,La)_2O_3:Eu^{3+},Bi^{3+}; (Gd,Y,Lu,La)_2O_2S:Eu^{3+},Bi^{3+};
Eu<sup>2+</sup>.Mn<sup>2+</sup>:
(Gd,Y,Lu,La)VO<sub>4</sub>:Eu<sup>3+</sup>,Bi<sup>3+</sup>; (Ca,Sr)S:Eu<sup>2+</sup>; SrY<sub>2</sub>S<sub>4</sub>:Eu<sup>2+</sup>; CaLa<sub>2</sub>S<sub>4</sub>:Ce<sup>3+</sup>;
(Ca,Sr)S:Eu^{2+}; 3.5MgO*0.5MgF_2*GeO_2:Mn^{4+}; (Ba,Sr,Ca)MgP_2O_7:Eu^{2+},Mn^{2+};
(Y.Lu)<sub>2</sub>WO<sub>6</sub>:Eu<sup>3</sup>+, Mo<sup>6+</sup>: (Ba,Sr,Ca)<sub>x</sub>Si<sub>y</sub>N<sub>2</sub>:Eu<sup>2+</sup>.
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- 27. (Currently amended) A lighting apparatus for emitting white light comprising:
 - a semiconductor light source emitting radiation having a peak emission in the <u>UV</u> range of from about 250 to 450 nm; and a phosphor composition radiationally coupled to the light source,

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the phosphor composition comprising $(Sr,Ba,Ca)_2SiO_4$:Eu, and one or more of $(Sr,Mg,Ca,Ba,Zn)_2P_2O_7$:Eu,Mn; $(Ca,Sr,Ba,Mg)_5(PO_4)_3(Cl,F,OH)$:Eu,Mn; $(Sr,Ba,Ca)MgAl_{10}O_{17}$:Eu,Mn; and Mg_4FGeO_6 :Mn⁴⁺.

- 28. (Original) The lighting apparatus of claim 27, wherein the light source is a semiconductor LED.
- 29. (Original) The lighting apparatus of claim 27, wherein the LED comprises a nitride compound semiconductor represented by the formula $In_iGa_jAl_kN$, where $0 \le i$; $0 \le j$, $0 \le K$, and i + j + k = 1.
- 30. (Original) The lighting apparatus of claim 27, wherein said light source is an organic emissive structure.
- 31. (Original) The lighting apparatus of claim 27, wherein the phosphor composition is coated on the surface of the light source.
- 32. (Original) The lighting apparatus of claim 27, further comprising an encapsulant surrounding the light source and the phosphor composition.
- 33. (Original) The lighting apparatus of claim 27, wherein the phosphor composition is dispersed in the encapsulant.
- 34. (Original) The lighting apparatus of claim 27, further comprising a reflector cup.
- 35. (previously presented) The lighting apparatus of claim 27, wherein said (Sr,Ba,Ca)₂SiO₄:Eu phosphor comprises (Sr_{0.95}Ba_{0.025}Eu_{0.025})₂SiO₄.
- 36. (Original) The lighting apparatus of claim 27, wherein said phosphor composition comprises (Sr_{0.58}Ca_{0.36}Eu_{0.06})₂SiO₄.
- 37. (Original) The lighting apparatus of claim 36, wherein said apparatus has a color point with a ccx value of 0.5286 and a ccy value of 0.4604.

- 38. (Original) The lighting apparatus of claim 27, wherein said phosphor composition further comprises one or more additional phosphors.
- 39. (Currently amended) The lighting apparatus of claim 38, wherein said one or more additional phosphors are selected from the group consisting of (Ba,Sr,Ca)₅(PO₄)₃(CI,F,Br,OH):Eu²⁺,Mn²⁺,Sb³⁺; (Ba,Sr,Ca)MgAI₁₀O₁₇:Eu²⁺,Mn²⁺; (Ba.Sr.Ca)BPO₅:Eu²⁺,Mn²⁺; $(Sr,Ca)_{10}(PO_4)_6*nB_2O_3:Eu^{2+};$ 2SrO*0.84P₂O₅*0.16B₂O₃:Eu²⁺; $Sr_2Si_3O_{8^2}SrCl_2:Eu^{2^+}; Ba_3MgSi_2O_8:Eu^{2^+}; Sr_4Al_{14}O_{25}:Eu^{2^+}; BaAl_8O_{13}:Eu^{2^+};$ 2SrO-0.84P₂O_{5-0.16}B₂O₃:Eu²⁺; SfaAlaaO25;Eu2+; BaAl_sO₁₃:Eu²⁺; $(Ba,Sr,Ca)MgAl_{40}O_{17}:Eu^{2+},Mn^{2+}; (Ba,Sr,Ca)_{5}(PO_{4})_{3}(Cl,F,OH):Eu^{2+},Mn^{2+},\dot{S}b^{3+};$ (Ba,Sr,Ca)MgAl₄₀O₄₇;Eu²⁺,Mn²⁺; $(Ba,Sr,Ca)Al_2O_4:Eu^{2+};$ Ca₈Mq(SiO₄)₄Cl₂:Eu²⁺,Mn²⁺; (Y,Gd,Lu,Sc,La)BO₃:Ce³⁺.Tb³⁺: $(Sr,Ca,Ba)(Al,Ga,In)_2S_4:Eu^{2+};$ (Ba,Sr,Ca)₂(Mg,Zn)Si₂O₇:Eu²⁺; (Y,Gd,Tb,La,Sm,Pr,Lu)₃(Al,Ga)₅O₁₂:Ce³⁺: $(Ca,Sr)_8(Mg,Zn)(SiO_4)_4Cl_2$: $Na_{2}Gd_{2}B_{2}O_{7}:Ce^{3+}.Tb^{3+};$ (Ba,Sr)₂(Ca,Mg,Zn)B₂O₆:K,Ce,Tb; Eu²⁺.Mn²⁺: $(Sr,Ca,Ba,Mg,Zn)_2P_2O_7:Eu^{2+},Mn^{2+};$ $(Ca,Sr,Ba,Mg)_{10}(PO_4)_6(F,Cl,Br,OH):$ $(Gd,Y,Lu,La)_2O_3:Eu^{3+},Bi^{3+};$ $(Gd,Y,Lu,La)_2O_2S:Eu^{3+},Bi^{3+};$ Eu²⁺.Mn²⁺: $(Gd,Y,Lu,La)VO_4:Eu^{3+},Bi^{3+}; (Ca,Sr)S:Eu^{2+}; SrY_2S_4:Eu^{2+}; CaLa_2S_4:Ce^{3+};$
- 40. (Original) A phosphor blend including (Sr,Ba,Ca)₂SiO₄:Eu and at least one of (Sr,Mg,Ca,Ba,Zn)₂P₂O₇:Eu,Mn; (Ca,Sr,Ba,Mg)₅(PO₄)₃(Cl,F,OH):Eu,Mn; (Sr,Ba,Ca)MgAl₁₀O₁₇:Eu,Mn; Mg₄FGeO₆:Mn⁴⁺; and one or more garnet phosphors having the general formula (Y,Gd,La,Lu,T,Pr,Sm)₃(Al,Ga,In)₅O₁₂:Ce.

 $(Y,Lu)_2WO_6:Eu^3+, Mo^{6+}; (Ba,Sr,Ca)_xSi_yN_z:Eu^{2+}.$

 $(Ca,Sr)S:Eu^{2+}; 3.5MgO*0.5MgF_2*GeO_2:Mn^{4+}; (Ba,Sr,Ca)MgP_2O_7:Eu^{2+},Mn^{2+};$

- 41. (Original) The phosphor blend of claim 40 comprising (Sr_{0.95}Ba_{0.025}Eu_{0.025})₂SiO₄.
- 42. (Original) The phosphor blend of claim 40 comprising (Sr_{0.58}Ca_{0.36}Eu_{0.06})₂SiO₄.

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- 43. (Currently amended) The phosphor blend of claim 40, wherein said phosphor blend is capable of absorbing the radiation emitted by a light source having a peak emission in the UV range from 250-450 nm and emitting radiation that, when combined with said radiation from said light source, produces white light.
- 44. (currently amended) The lighting apparatus of claim 1, wherein said phosphor composition comprises phosphors (Sr,Ba,Ca)₂SiO₄:Eu (Sr,Ba,Ca)₂SiO₄:Eu; (Ba,Sr,Ca)₅(PO₄)₃(Cl,F,Br,OH):Eu²⁺,Mn²⁺,Sb³⁺; Sr₄Al₁₄O₂₅:Eu²⁺; and, Mg₄FGeO₆:Mn⁴⁺.
- 45. (previously presented) The lighting apparatus of claim 1, wherein said semiconductor light source has a peak emission at about 405 nm.